

Technical drawing of a 1-watt LED assembly showing top, side, and bottom views with dimensions in millimeters (mm) and inches (in).

Top View Dimensions:

- LED DIE: 0.4 (0.016)
- CATHODE MARK: Indicated by a dot on the die.
- LED DIE: 0.8 (.031)
- PC BOARD: 1.6 (.063)
- POLARITY: Indicated by a symbol.

Side View Dimensions:

- DIFFUSED EPOXY: 0.3 (0.012)
- PC BOARD: 1.0 (.039)
- 0.8 (.031)
- 0.3 (.012)
- 0.30 ± .15 (.012 ± .006) TYP.

Bottom View Dimensions:

- SOLDERING TERMINAL: Indicated by a line.
- CATHODE LINE: Indicated by a line.
- 0.8 (.031)
- 0.7 (.028)
- 0.8 (.031)

RECOMMENDED SOLDERING PATTERN:

Diagram showing the recommended soldering pattern for the LED assembly, with dimensions in millimeters (mm) and inches (in):

- 0.8 (.031)
- 0.7 (.028)
- 0.8 (.031)

NOTES:

1. All dimensions are in millimeters (in).
2. 1 micro second @ 10% duty cycle

- High brightness
- Small size
- Industrial standard 0603 Footprint
- Diffused optics
- Top emitting
- Compatible with IR solder profiles
- Ideal for use with Light Pipes
- Available in 8 mm tape on 7" diameter reel
- Packaged 4,000 pieces per reel
- RoHS Compliant

- LCD backlighting
- Push button backlighting
- Front panel indicator
- Symbol indicator
- Microdisplays
- Small message panel signage

Part Number	Output Color	Diffusion	Package Color	Test Current (mA)	Forward Voltage Typ. (V)	Forward Voltage Max. Typ. (V)	Luminous Intensity Min. (mcd)	Luminous Intensity Typ. (mcd)	Peak Wavelength (nm)	Viewing Angle (Degrees)
CMDA6AR7D1S	Red	Diffused	Clear	20	1.9	2.4	25	90	637	170

Part Number	Power Dissipation (mW)	Operating Temperature (°C)	Storage Temperature (°C)	Peak Forward Current Max. (See note 2) (mA)	Reverse Voltage (IR = 100 mA) (V)	Lead Solder Time at 230°C (Seconds)
AR	75	-30 to +85	-40 to +85	100	5	10

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692
Email amall@ameya360.com
QQ 800077892
Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333
Email mkt@ameya360.com